

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No. : TO BE ASSIGNED, WHICH IS A CONTINUATION-IN-PART OF U.S.  
APPLICATION SERIAL No. 10/001,189, FILED OCTOBER 30, 2001  
Applicant : FRASER ET AL.  
Filed : CONCURRENTLY HEREWITH  
Title : METHODS AND COMPOSITIONS FOR TRANSPOSITION USING  
MINIMAL SEGMENTS OF THE EUKARYOTIC TRANSFORMATION  
VECTOR PIGGYBAC

Art Unit : TO BE ASSIGNED  
Examiner : TO BE ASSIGNED

Atty Docket No. : UNND-0061-4

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §§ 1.51(b), 1.56, 1.97 and 1.98, this Information Disclosure Statement is submitted in the above-identified patent application. A listing of documents to be published on the face of any patent granted from this application is submitted herewith on Form PTO-1449. Any other documents or information submitted for consideration by the Examiner are listed in this paper. A copy of each foreign patent, or each publication or portion thereof listed or herein identified, is submitted herewith, except that a copy of any U.S. patent application identified herein or any patent, publication or other information listed herein cited or submitted in a prior application relied upon for an earlier filing date under 35 U.S.C. § 120 and identified below, is not submitted herewith.

**CERTIFICATION**

This Information Disclosure Statement is submitted within three months of (i) the filing date of the above-identified U.S. National Patent application, or (ii) before the first office action on the merits, or (iii) the date of entry into the U.S. National Stage of the above-identified International Application, or (iv) the date of entry into the U.S. National Stage of the International Application that has been assigned the above-identified U.S. Patent application number, whichever applies.

The Commissioner is hereby authorized to charge payment of any fees associated with this communication, including fees under 37 C.F.R. §§ 1.16 and 1.17 or credit any overpayment to **Deposit Account Number 10-0233-UNND-0061-4**.

The Examiner is requested to acknowledge consideration of the information provided in this paper in accordance with prescribed procedures.

Respectfully submitted,

A handwritten signature in cursive script, reading "Steven Prewitt", written in black ink.

Steven J. Prewitt  
Registration Number 45,023

**JAGTIANI + GUTTAG**  
Democracy Square Business Center  
10363-A Democracy Lane  
Fairfax, Virginia 22030  
(703) 591-2664

April 19, 2004

<b>Form PTO 1449</b>  U.S. Department of Commerce Patent and Trademark Office  Information Disclosure Statement by Applicant	ATT. DOCKET NUMBER <b>UNND-0061-4</b>	SERIAL NUMBER <b>To Be Assigned, filed          concurrently herewith          CIP of 10/001,189, filed October          31, 2001</b>
	APPLICANT <b>FRASER, et al.</b>	
	FILING DATE <b>April 19, 2004</b>	GROUP

## U.S. Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,551,825 B1	04-2003	Shirk <i>et al.</i>			
	6,218,185 B1	04-2001	Shirk <i>et al.</i>			

## Foreign Patent Documents

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

		CARY, et al., "Transposon Mutagenesis of Baculoviruses: Analysis of <i>Trichoplusia ni</i> Transposon IFP2 Insertions within the FP-Locus of Nuclear Polyhedrosis Viruses," <i>Virology</i> , 1989, 172:156-169
		ELICK, <i>et al.</i> , "PCR analysis of insertion site specificity, transcription, and structural uniformity of the Lepidopteran transposable element IFP2 in the TN-368 cell genome," <i>Genetica</i> , 1995, 00:1-13
		ELICK, <i>et al.</i> , "Excision of the <i>piggyBac</i> transposable element <i>in vitro</i> is precise event that is enhanced by the expression of its encoded transposase," <i>Genetica</i> , 1996, 00:1-100
		FRASER <i>et al.</i> , "Assay for Movement of Lepidopteran Transposon IFP2 in Insect Cells Using a Baculovirus Genome as a Target DNA," <i>Virology</i> , 1995, 211:397-407
		FRASER <i>et al.</i> , "Precise excision of TTAA-specific lepidopteran transposons <i>piggyBac</i> (IFP2) and <i>tagalong</i> (TFP3) from the baculovirus genome in cell lines from two species of Lepidoptera," <i>Insect Molecular Biology</i> , 1996, 5(2):141-151

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant